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Unit Plan Overall Idea Matrix for Team Applebee

Topic
Math Skills
Target Audience (make sure to describe number, age, and abilities of students)
Second Grade, 21 students in the class, they are 7 and 8 years old, the students are able to count to 100 and add and subtract.
Overall Objectives
<p>The students will be able to</p> <ul style="list-style-type: none">• Understand placement numbers of three digit numbers.• Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of addition or subtraction.• Able to tell time of an analog clock and digital clock. The students will be able to understand the first, second, and third hand of a face clock.

- Students will be able to tell the difference between pennies, dimes, nickels, and quarters and know the value of each.
- Teach students how to draw a picture graph and bar graph.

Pass Content Standards that Will Be Addressed (Put number and copy and paste)

- 2.NBT.2. Count within 1000; skip-count by 5s, 10s, and 100s.
- 2.OA.1. Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.
- 2.MD.7. Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.
- 2.MD.8. Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?
- 2.MD.10. Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.

Pass Instructional Technology Standards that Will Be Addressed (Put number and copy and paste)

1. Creativity and Innovation

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students:

- c. use models and simulations to explore complex systems and issues.

2. Communication and Collaboration

Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students:

- d. contribute to project teams to produce original works or solve problems.

Technology to be included in the Plan	How it will be Used	Materials that Need to Be Created
1)I-Movie	Picture and Bar Graphs	Paper, markers, video camera, iMovie, and computer
2) Inspiration	Place value	The program
3) Smart board	Time	Computer and program
4) Application on iPad	Word Problems	iPad and application
5) Podcast	Money	Recorder, book, and computer
What technology will be needed to teach this lesson? (Specify type and number both Software and Hardware)		
iMovie, Inspiration, Computer, Smart board, Notebook Program, iPad, Second Grade Splash Math application, Podcast, recorder, and video camera.		

Technology Unit Timeline Planner

Must have one lesson plan for each individual plus at least one as group
(number of group members + 1).

Lesson Topic	What Students Will Do	Time Allotted	Objectives Addressed (Copy and paste from above)	Technology Used	Person Responsible (or Group)
Picture and Bar Graphs	The students will watch us as we demonstrate an example of each graph.	8 min	The students after watching the iMovie will be able to work in groups and make their own picture and bar graph.	iMovie, computer, and video recorder.	Group
Inspiration	Students will use this program to use base ten blocks to learn the place value of three digit numbers.	10 min	The students will learn how to use base ten blocks to help them learn place value of three digit numbers. The students then will be able to complete a worksheet individually with three digit place value numbers.	Computer and inspiration	Maggie and Blake
Smart Board	Students will be learning to tell and read time to the whole hour, half hour and quarter hours.	8 min	The <i>students</i> will be given an activity on the smart board as a review in class.	Computer and Smart board	Sarah

Podcast	The students will be able to learn the difference and value of a penny, nickel, dime, and quarter.	5 min	First I will read the student the Penny Pot and then go into detail about each coin. By the end of the podcast the students will be able to work in groups to complete a worksheet over money and the value of each coin.	Computer, Penny Pot, and recorder	Tori
Application for iPad	The students will be placed into centers and will rotate daily and use the application to work on simple math word problems	Daily for a week	The students will be placed in groups and each group will have a chance to play the game on the iPad. This will allow the students to practice word problems in a fun way.	Second Grade Splash Math, iPad	Maggie and Blake